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TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371ATTORNEY'S DOCKET NUMBER
0321.6881

U.S. APPLICATION NO. 10/140,100 (USPTO 37 CFR 1.5)

10/583920

INTERNATIONAL APPLICATION NO.
PCT/US2004/043001INTERNATIONAL FILING DATE
December 21, 2004PRIORITY DATE CLAIMED
December 22, 2003

TITLE OF INVENTION

OPTICALLY ENCODED PARTICLES, SYSTEM AND HIGH-THROUGHPUT SCREENING

APPLICANT(S) FOR DO/EO/US

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. The US has been elected (Article 31).
5. A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto (required only if not communicated by the International Bureau).
 - b. has been communicated by the International Bureau.
 - c. is not required, as the application was filed in the United States Receiving Office (RO/US).
6. An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. is attached hereto.
 - b. has been previously submitted under 35 U.S.C. 154(d)(4).
7. Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. are attached hereto (required only if not communicated by the International Bureau).
 - b. have been communicated by the International Bureau.
 - c. have not been made; however, the time limit for making such amendments has NOT expired.
 - d. have not been made and will not be made.
8. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern document(s) or information included:

11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. A preliminary amendment.
14. An Application Data Sheet under 37 CFR 1.76.
15. A substitute specification.
16. A power of attorney and/or change of address letter.
17. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825.
18. A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. Other items or information: 13 sheets formal drawings

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information, USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR including gathering information, preparing, and submitting the completed form to the USPTO. 1 of time you require to complete this form and/or suggestions for reducing this burden, should I Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEE Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Page 1 o

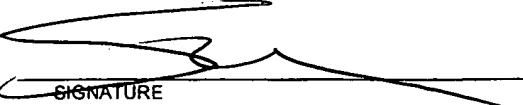
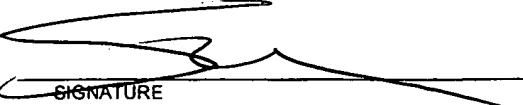
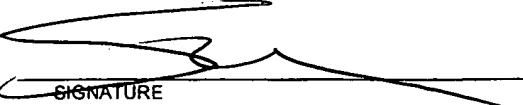
I hereby certify that this paper is being deposited with the United States Postal Service as EXPRESS MAIL in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.

6/20/2006
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<p>The following fees have been submitted</p> <table border="1"> <tr> <td colspan="2">21. <input checked="" type="checkbox"/> Basic national fee.....</td> <td>\$ 300</td> <td colspan="2">CALCULATIONS PTO USE ONLY</td> </tr> <tr> <td colspan="2">22. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4).....</td> <td>\$ 100</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">All other situations.....</td> <td>\$ 200</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">23. <input checked="" type="checkbox"/> Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....</td> <td>\$ 100</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">International Search Report prepared and provided to the Office.....</td> <td>\$ 400</td> <td colspan="2"></td> </tr> <tr> <td colspan="2">All other situations.....</td> <td>\$ 500</td> <td colspan="2"></td> </tr> <tr> <td colspan="4">TOTAL OF 21, 22 and 23 =</td> <td>\$ 600</td> </tr> <tr> <td colspan="4"><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). 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WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> </td> </tr> <tr> <td colspan="5">NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</td> </tr> <tr> <td colspan="5"> SEND ALL CORRESPONDENCE TO: GREER, BURNS & CRAIN, LTD. 300 South Wacker Drive, Suite 2500 Chicago, Illinois 60606 (312) 362-1522 Customer No. 24978 </td> </tr> <tr> <td colspan="5">  SIGNATURE Steven P. 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